

Louis Gorst

PROFESSIONAL EXPERIENCE

AQUACULTURE TECHNICIAN

Upward Farms, Brooklyn, NY / Nov 2021 - present

- Carry out daily water quality testing to ensure optimal water quality conditions for Hybrid Striped Bass in a recirculating aquaculture system
- Assist with the assembly and maintenance of PVC freshwater plumbing and various equipment including pumps, oxygen systems, and filters
- Harvest HSB weekly for commercial sale
- Increased HSB harvest by threefold

ASSISTANT BREWER

Angry Erik Brewing, Newton, NJ / Mar 2021 – Oct 2021

- Assisted in every stage of beer brewing process on brew days
- Cleaned and sanitized tanks, pumps, and other equipment used in the brewing and fermenting process
- Interfaced with guests while working in the tasting room
- Handled weekly inventory checks and tracking

ABE/HSE INSTRUCTOR

Sussex County Community College, Newton, NJ / Sep 2020 – Dec 2020

- Provided instruction on a variety of subjects such as math, science, english, and social studies in both online and in-person settings
- Adapted teaching methods and instructional materials to meet students' varying needs, abilities, and interests

WATER QUALITY TECHNICIAN

Pacific Reef Fisheries, Ayr, QLD / Oct 2018 - Dec 2019

- Worked as part of a team to manage and maintain water quality standards in over 100 Black Tiger Prawn ponds
- Responsible for daily water quality checks and adjustments in prawn ponds as well as feed for several Cobia ponds
- Responsible for the training and oversight of new employees as well as visiting university Vet students
- Regularly managed farm as the sole employee present during night shifts

RESEARCH ASSISTANT

Australian Institute of Marine Science, Cape Cleveland, QLD / Feb 2018 - May 2018

- Responsible for care and maintenance of over 300 sponge specimens
- Cleaned and maintained tanks throughout the Evolution 21 SeaSim system
- Assisted in DNA sampling of over 300 sponges
- Worked closely with a leading researcher in the field of sponge biology

SENIOR EXHIBIT INTERPRETER

National Museum of Mathematics, New York, NY / Sep 2015 - Dec 2016

- Assisted guests with exhibit use and interpretation, providing interpretation of mathematical principles and theory
- Acted as floor manager; created full-time staff schedules, coordinated interns and volunteers, and maintained daily operation of the museum
- Provided interactive math-themed workshops for youth programs

EDUCATION

JAMES COOK

UNIVERSITY

*Townsville, Queensland
Master of Science (M.S.)
Marine Biology & Ecology
(June 2018)*

GETTYSBURG COLLEGE

*Gettysburg, PA
Bachelor of Science (B.S.)
Environmental Studies
(May 2015)*

ADDITIONAL SKILLS

Excel VBA programming

Interpersonal communication

Efficient adaptability

CERTIFICATIONS

Seafood HACCP

Adult First Aid/CPR/AED

SSI Master Diver

SSI Stress and Rescue Diver

Ornamental Fish
Biosecurity and Disease
Training certification from
Aquarium Industries